## **ExxonMobil Prod.- Las Flores Canyon Treating Plant**

Search Criteria Used (More)			
Level of Detail	Extended  GO		
Type of Report Output	Text (HTML)	<b>∨</b> GO	

## Facility #1: ExxonMobil Prod.- Las Flores C

Basic Facility Info 🔞	
Facility ID	100000103407
Deregistered (Yes/No)	No
Facility Name	ExxonMobil Prod Las Flores Canyon Treating Plant
Street Address Line 1	12000 Calle Real
City	Goleta
State	CA
Zip Code	93117
County	Santa Barbara County
113th Congressional District	CA24: California 24
Owner or Operator Name	ExxonMobil Production Company
Parent Company	Exxon Mobil Corporation
Latitude	34.483140
Longitude	-120.040340
Number of RMP Submissions	4
Map this facility	link to map

**Most Recent Submission Info** ?

Submission Type  Submission Date  Reason For Submission  Process Toxic Amount Total (lbs)  Process Flammable Amount Total (lbs)  Process Amount Total (lbs)  Number of Potential Offsite Consequence Processes  Potential Offsite Consequence Flammable Amount Total (lbs)  Potential Offsite Consequence Flammable Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  2,250,000  Potential Offsite Consequence Amount Total (lbs)		
Submission Date  Reason For Submission  Process Toxic Amount Total (lbs)  Process Flammable Amount Total (lbs)  Process Amount Total (lbs)  Process Amount Total (lbs)  Process Amount Total (lbs)  Number of Potential Offsite Consequence Processes  Potential Offsite Consequence Toxic Amount Total (lbs)  Potential Offsite Consequence Flammable Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  2,250,000  2,11111	RMP ID	1000044211
Reason For Submission  Process Toxic Amount Total (lbs)  Process Flammable Amount Total (lbs)  Process Amount Total (lbs)  Process Amount Total (lbs)  Number of Potential Offsite Consequence Processes  Potential Offsite Consequence Toxic Amount Total (lbs)  Potential Offsite Consequence Flammable Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  2,200,000  2,250,000  2,250,000  All Process NAICS	Submission Type	revised submission for facility
Process Toxic Amount Total (lbs) 50,000 Process Flammable Amount Total (lbs) 2,200,000 Process Amount Total (lbs) 2,250,000 Number of Potential Offsite Consequence Processes 50,000 Potential Offsite Consequence Toxic Amount Total (lbs) 50,000 Potential Offsite Consequence Flammable Amount Total (lbs) 2,200,000 Potential Offsite Consequence Amount Total (lbs) 2,250,000 All Process NAICS 211111	Submission Date	06/11/2014
Process Flammable Amount Total (lbs)  Process Amount Total (lbs)  Number of Potential Offsite Consequence Processes  Potential Offsite Consequence Toxic Amount Total (lbs)  Potential Offsite Consequence Flammable Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  2,200,000  Potential Offsite Consequence Amount Total (lbs)  2,250,000  All Process NAICS  211111	Reason For Submission	5-year update (40 CFR 68.190(b)(1))
Process Amount Total (lbs)  Number of Potential Offsite Consequence Processes  Potential Offsite Consequence Toxic Amount Total (lbs)  Potential Offsite Consequence Flammable Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  2,200,000  Potential Offsite Consequence Amount Total (lbs)  2,250,000  All Process NAICS  211111	Process Toxic Amount Total (lbs)	50,000
Number of Potential Offsite Consequence Processes  Potential Offsite Consequence Toxic Amount Total (lbs)  Potential Offsite Consequence Flammable Amount Total (lbs)  Potential Offsite Consequence Amount Total (lbs)  2,200,000  Potential Offsite Consequence Amount Total (lbs)  2,250,000  All Process NAICS  211111	Process Flammable Amount Total (lbs)	2,200,000
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Potential Offsite Consequence Amount Total (lbs) 2,250,000 All Process NAICS 211111	Potential Offsite Consequence Toxic Amount Total (lbs)	50,000
All Process NAICS 211111	Potential Offsite Consequence Flammable Amount Total (lbs)	2,200,000
	Potential Offsite Consequence Amount Total (lbs)	2,250,000
Exec Summary Submission Date 06/11/2014	All Process NAICS	211111
	Exec Summary Submission Date	06/11/2014

**Executive Summary** (Facility #1 : ExxonMobil Prod.- Las Flores C, executive summary: all)

Executive Summary

ExxonMobil Production Company Las Flores Canyon Treating Plant

Risk Management Program Plan

**Executive Summary** 

Accidental Release Prevention and Emergency Response Policies

The Santa Ynez Unit Las Flores Canyon Treating Plant has a long-standing commitment to worker and public safety. This commitment is demonstrated by the resources invested in accident prevention (e.g., training of personnel, considering safety in the design, installation, operation, and maintenance of the facility, etc.). Our approach is to implement reasonable controls to prevent foreseeable releases of regulated substances as well as other substances. If a

release does occur, our trained personnel will take steps to control and contain it, until local emergency organizations arrive. Additional details are included in the other sections of this plan. Description of the Stationary Source and Regulated Substances The Santa Ynez Unit - Las Flores Canyon Treating Plant, located about 17 miles west of Santa Barbara, California, consists of one Program Level 3 process that utilizes several operations (e.g., separation, dehydration, compression) to produce petroleum products (e.g., natural gas liquid mixture, methane) from a naturally occurring hydrocarbon gas mixture. This facility could contain a regulated flammable mixture and a regulated toxic. Transportation of regulated substances into and out of the facility is handled via pipeline and truck. Additional details are included in the other sections of this plan. This facility is located in a vegetated canyon with undeveloped rural land extending beyond the canyon to the north, east and west. A highway borders the canyon approximately 1.5 miles to the south. Offsite Consequence Analysis Results In accordance with special security guidance provided by the USEPA, data addressing the facility's Offsite Consequence Analyses (Worst Case Scenarios and Alternate Release Scenarios) are not detailed in this section. Refer to D ata Element Sections 2, 3, 4 and 5 of this plan. General Accidental Release Prevention Program The following is a summary of the accident prevention program in place at this facility. Processes at this facility regulated by EPA's Risk Management Program (RMP) are also subject to OSHA's Process Safety Management (PSM) standard. This summary addresses each of the EPA RMP elements and describes the management systems in place to implement the accident prevention program. **Employee Participation** This facility provides for and encourages employees to participate in process safety management and accident prevention. Examples of employee participation range from updating/compiling technical information and drawings to participating on process hazard analysis (PHA) or incident investigation teams. Employees have access to information related to the accident prevention program. Specific ways that employees can be involved in the accident prevention program are detailed in an Employee Participation Plan that is maintained at this facility and addresses each program element. In addition, this facility has other initiatives that address process and employee safety issues (e.g., hazard reporting/resolution process and numerous safety meetings [daily, monthly, pre-job], etc.). Process Safety Information (PSI) This facility keeps a variety of technical documents that are used to help maintain safe operation of the facility. These documents address chemical properties and associated hazards, safe operating limits for key process parameters, specific chemical inventories, and equipment design basis/configuration information. The OIMS contact at this facility is responsible for coordinating the PSI updates.

Chemical-specific information (including exposure hazards, emergency response, and exposure treatment considerations) is provided in safety data sheets. For specific process areas, this facility has documented safety-related operating limits for pro cess parameters (e.g., temperature, pressure, level) in the operating procedures. This facility ensures processes are maintained within these limits using process controls/monitoring equipment, trained personnel, and protective instrument systems (e.g., automated shutdown systems, pressure relief valves). This facility also maintains numerous technical documents that provide information about the design and construction of the process equipment. This information includes the materials of construction, design pressure, temperature ratings, and electrical rating of equipment. This information, in combination with written procedures and trained personnel, provides a basis for inspection/maintenance activities and the evaluation of proposed process or facility changes. Process Hazard Analysis (PHA) This facility has a comprehensive program to help ensure hazards associated with the various processes are identified and controlled. Within this program, each process is systematically examined to identify hazards and ensure adequate controls are in place to manage these hazards. In the most recent PHA cycle, the facility utilized a PHA delta revalidation process, an industry-accepted hazard evaluation technique for RMP and PSM-covered processes. The analyses are conducted using a team of facility operating/maintenance personnel, facility engineers, and technical consultants (as necessary). This team identifies and evaluates hazards of the processes as well as the accident prevention and mitigation measures. The PHA team findings are forwarded to management to coordinate further evaluation and resolution. This process involves field level business teams, which include engineering, operations personnel, and management. Operations personnel are also involved in the evaluation of resolution options. Implementation of the resolutions is prioritized for accomplishment based on relative risk. Resolution plans are tracked until completed. The final resol ution of each finding is documented and retained. To help ensure the process controls and/or hazards do not eventually deviate significantly from the original design, this facility updates and revalidates the process hazard analysis at least every 5 years. The results of these updates are also documented and retained. Similarly, the team's findings are forwarded to management to coordinate further evaluation and resolution, and the final resolution of findings are documented and retained. Operating Procedures This facility maintains written procedures that address the various modes of process operations (e.g., startup, normal, temporary, emergency shutdown, normal shutdown) and provide guidance on how to respond to upper/lower limit

temporary, emergency shutdown, normal shutdown) and provide guidance on how to respond to upper/lower limit exceedances for specific equipment or process parameters. Procedures are readily available to operators and other personnel to use as necessary to safely perform their job tasks. These procedures provide a consistent basis for training new operators and are annually reviewed and validated. The Competency Assurance Standard (CAS) provides guidance and electronic tools to ensure the procedures are maintained. Revisions to procedures are made through the Management of Change (MOC) process.

Training

The Competency Assurance Standard (CAS) provides the framework to ensure operators and other employees achieve minimum required competencies to safely perform their work. The CAS system guides development and maintenance of written operating and maintenance procedures to provide a comprehensive training program to employees involved in operating and maintaining process equipment. New employees receive basic training in facility operations (e.g., process overview, applicable procedure reviews, etc.). New operators are then paired with experienced operators to learn process-specific duties and tasks. After the new operators demonstrate (e.g., written tests, hands-on skills demonstration) that they have adequate knowledge to

perform the duties and tasks in a safe manner on their own, they are certified and allowed to work independently. In addition, personnel who operate process equipment receive refresher training at least every 3 years on the applicable procedures to help ensure their skills and knowledge are maintained at an acceptable level. This training and the means used to verify that the employee understood the training is documented.

## Contractors

This facility uses contractors to supplement its workforce during periods of increased maintenance or construction activity. Because some contractors work on or near process equipment, procedures are in place to help ensure contractors: perform their work in a safe manner, have the appropriate knowledge and skills, are aware of the hazards in the workplace, understand what they should do in the event of an emergency, understand and follow safety rules, and inform Las Flores Canyon facility personnel of any hazards they find during their work. This is accomplished by providing contractors an orientation prior to working in this facility which includes: process overview, information about safety and health hazards, applicable emergency action plan provisions, and information on safe work practices. Also, a job safety analysis (JSA) is reviewed/updated or developed by the contractors (with facility personnel assistance as needed) prior to maintenance/construction tasks.

Facility personnel routinely monitor contractor job performance to help ensure they are fulfilling their safety obligations. Contractor safety programs and performance are evaluated during the initial selection process, and the facility supervisor conducts periodic evaluations of safety performance.

Pre-Startup Safety Reviews (PSSR)

This facility conducts PSSRs for facility modifications that require significant changes in the process safety information. The purpose of the PSSR is to ensure safety features, procedures, personnel, and equipment are ap propriately prepared for startup prior to placing the equipment into service. This review provides an additional check to make sure that construction is in accordance with the design specifications and supporting systems are operationally ready. A PSSR involves field verification of the construction and serves a quality function by verifying that the requirements of this accident prevention program are properly implemented. The Management of Change (MOC) is used to steward assignment and completion of PSSRs.

Mechanical Integrity (MI)

ExxonMobil's Facility Integrity Management System (FIMS) is designed to manage mechanical integrity. By incorporation of FIMS into its processes, this facility has well-established practices and procedures to maintain pressure vessels, piping systems, relief/vent systems, controls, pumps, compressors, and emergency shutdown systems in a safe operating condition. The basic aspects of this MI program include: training, written procedures, inspections/tests, correction of identified deficiencies, and quality assurance measures. In combination, these activities form a system that maintains the mechanical integrity of the process. Maintenance personnel receive training on the process, safety and health hazards, applicable maintenance procedures, emergency procedures, and applicable safe work practices to help ensure they perform their jobs in a safe manner. Written procedures and equipment manuals help ensure work is performed in a consistent manner and provide a basis for training.

Inspections/tests and preventive maintenance are performed on a scheduled basis to help ensure equipment and safety devices function as intended and to verify that equipment is within acceptable limits (e.g., adequate wall thickness, etc.). If a deficiency is identified, employees correct the deficiency before placing the equipment back into service or a group of experts (e.g., engineers, etc.) review the use of the equipment and determine what actions are necessary to ensure safe operation of the equipment until the deficiency can be corrected.

Another integral part of the MI program is quality assurance. This facility incorporates quality assurance measures into equipment purchases and repairs to help ensure new equipment is suitable for its intended use and proper materials/spare parts are used for repairs.

Hot Work and Other Safe Work Practices

This facility has long-standing safe work practices in place to help ensure worker and process safety. These include orientations for visitors/contractors; control of the entry/presence/exit of support personnel; energy isolation for equipment being worked on; procedures for the safe removal of hazardous materials before opening of process piping/equipment; hot work permit/procedure to safely manage spark-producing activities; vehicle entry into process area; confined space entry permit/procedure to help ensure precautions are taken before entering confined spaces; safety and security device bypass expectations; simultaneous operations guidance; and job safety analyses (JSAs) to identify and mitigate hazards associated with maintenance tasks. These practices, along with related procedures and training of affected personnel, form a system to help ensure operations and maintenance activities are performed safely.

Management of Change (MOC)

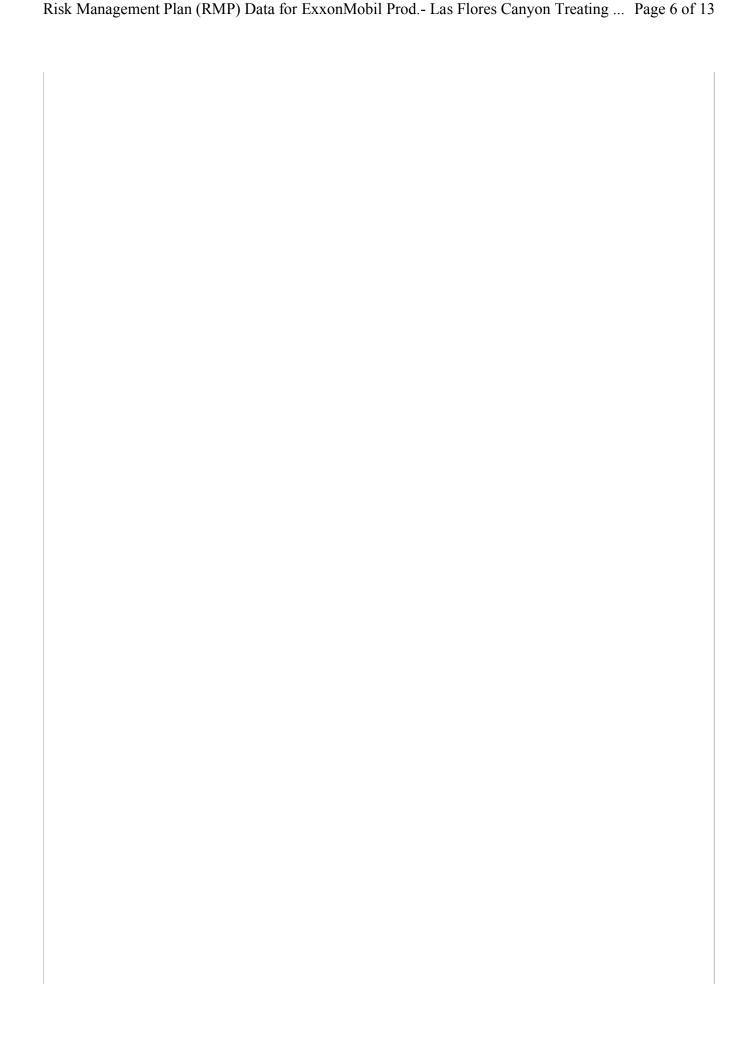
This facility has a comprehensive system to manage changes to process equipment, chemicals, technology (including process operating conditions), procedures, and other facility changes. The MOC facilitates appropriate review and authorization before a change is implemented. Changes are reviewed to ensure adequate controls are in place to manage any new hazards and to verify that existing controls have not been compromised by the change. Affected chemical hazard information, process operating limits, equipment information, drawings, and procedures are updated for these changes. In addition, operating and ma intenance personnel are provided the necessary training related to the change.

Incident Investigation

This facility promptly investigates incidents that resulted in (or could have reasonably resulted in) a fire, explosion, release, major equipment/property damage, environmental loss, or personal injury. The goal of each investigation is to determine the facts and develop corrective actions to prevent recurrence of the incident or a similar incident. The investigation team documents its findings, develops recommendations, and forwards these results to management for resolution. Corrective actions taken in response to the investigation team's findings are tracked until completed. The final resolution of each finding is documented, and investigation results are reviewed with employees (including contractors) who could be affected. Incident investigation reports are retained for at least 5 years so that reports can be reviewed during the next PHA revalidation.

Compliance Audits

To help ensure the accident prevention program is functioning properly, an audit is conducted at the facility at least once every 3 years to determine whether the program's procedures and practices are being implemented. An audit team consisting of both facility and technical personnel evaluate the implementation/effectiveness of the processes in this accident prevention program and develop findings that are documented and forwarded to management to coordinate resolution. Corrective actions are taken in response to the audit team's findings, and resolution status is



Submission - Other Facility Info ?		

Risk Management Plan (RMP) Data for ExxonMobil Prod.- Las Flores Canyon Treating ... Page 7 of 13

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Risk Management System

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